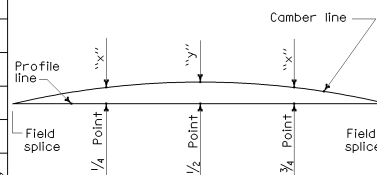


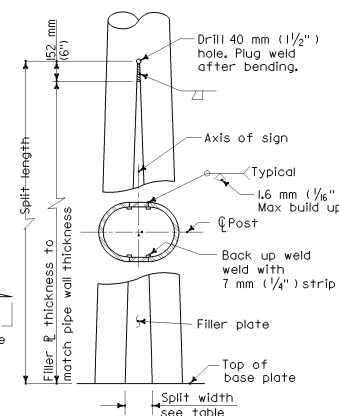
VERTICAL POST

CAMBER

Type	"x"	"y"
(A)	38 mm ($1\frac{1}{2}$ ")	51 mm (2"
(B)	57 mm ($2\frac{1}{4}$ ")	76 mm (3"
(C)	70 mm ($2\frac{3}{4}$ ")	102 mm (4"
(D)	89 mm ($3\frac{1}{2}$ ")	127 mm (5"
(E)	114 mm ($4\frac{1}{2}$ ")	152 mm (6"



CAMBER DIAGRAM



POST SPLIT DETAILS

① May increase to 44.2 m (145') with total panel coverage limited to 22.9 m (75') camber type (F)

1. The maximum sign panel overlap onto elbow shall not exceed 1.83 m (6'0") from the field splice.
2. For vertical post type, add 2.44 m (8'0") to the vertical post span and enter the table for slanted post type. This adjusted span (vertical span +2.44 m (8'0")) shall not exceed the maximum span shown in the table.
3. When several sign panels are to be installed with spaces between the panels the total sign panel length is the sum of the individual sign panel lengths only.
4. Maximum total sign panel coverage = 70% of slanted post span, 80% of vertical post span for spans up to 33.5 m (110') above 33.5 m (110'), varies on a straight line to 60% of vertical post span at 42.7 m (140').
5. All posts between base plate and field splice are extra strong pipe. All mast arms are standard pipe.
6. Before any portion of the sign frames are assembled in their final positions the Contractor shall demonstrate to the Engineer by preassembly or other approved methods that the span lengths of the frames in the no load condition match within 13 m (42.7%) the field measured span lengths between foundations.

7. If the sign frames are erected as one unit, they shall be adequately suspended to avoid distortions or changes in span length between base plates.
8. At final position of post, all top and bottom anchor bolt nuts shall be wrench tightened against base plate.
9. Drill and tap for 1½ NPS chase nipples and plug with recessed pipe plugs. Place perpendicular to sign panel axis and away from approaching traffic. See Standard Plan ES-5C.
10. Maximum difference between post heights on an individual frame = 1.5 m (5').
11. For standard pipe members (Mast Arms) with lengths greater than 24 m (80') an optional field splice will be permitted at ¼ of span to facilitate hauling operations.
12. NPS = Nominal Pipe Size.

OVERHEAD SIGNS-TUBULAR TWO POST TYPE LAYOUT AND PIPE SELECTION

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (1). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

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